#### (19) World Intellectual Property Organization International Bureau



### . 1900 B 1900 I I BIRL BARRAN BAR

## (43) International Publication Date 22 March 2001 (22.03.2001)

#### **PCT**

# (10) International Publication Number WO 01/19860 A3

- (51) International Patent Classification?: C12N 15/12. C07K 14/47, C12N 15/63, 5/10. A01K 67/027, C12P 21/00. C07K 16/18. C12Q 1/68, A61K 38/17, G01N 33/53, A61P 43/00
- (21) International Application Number: PCT/US00/25435
- (22) International Filing Date:

14 September 2000 (14.09.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/154.140 15 September 1999 (15.09.1999) US 60/169.155 6 December 1999 (06.12.1999) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier applications:

US 6()/154.140 (CIP)
Filed on 15 September 1999 (15.09.1999)
US 6()/169.155 (CIP)
Filed on 6 December 1999 (06.12.1999)

- (71) Applicant (for all designated States except US): INCYTE GENOMICS, INC. [US/US]: 3160 Porter Drive, Palo Alto, CA 94304 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): TANG, Y., Tom [CN/US]; 4230 Ranwick Court, San Jose, CA 95118 (US). HILLMAN, Jennifer, L. [US/US]; 230 Monroe Drive #17, Mountain View, CA 94040 (US). YUE, Henry [US/US]; 826 Lois Avenue, Sunnyvale, CA 94087 (US). REDDY, Roopa [IN/US]; 1233 W. McKinely Avenue #3, Sunnyvale, CA 94086 (US). LAL, Preeti [IN/US]; 2382 Lass Drive, Santa Clara, CA 95054 (US). SHAH,

Purvi [IN/US]: 859 Salt Lake Drive, San Jose, CA 95133 (US). AZIMZAL, [US/US]: 2045 Rock Springs Drive, Hayward, CA 94545 (US). BAUGHN, Mariah, R. [US/US]: 14244 Santiago Road, San Leandro, CA 94577 (US). LU, Dyung, Aina, M. [US/US]: 55 Park Belmont Place, San Jose, CA 95136 (US). BANDMAN, Olga [US/US]: 366 Anna Avenue, Mountain View, CA 94043 (US). SHIH, Leo, L. [US/US]: Apt. B. 1081 Tanland Drive, Palo Alto, CA 94303 (US). PATTERSON, Chandra [US/US]: 490 Sherwood Way #1, Menlo Park, CA 94025 (US).

- (74) Agents: HAMLET-COX, Diana et al.: Incyte Genomics, Inc., 3160 Porter Drive, Palo Alto, CA 94304 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

#### Published:

with international search report

(88) Date of publication of the international search report: 24 January 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

01/19860 A3

(54) Title: PROTEINS ASSOCIATED WITH CELL DIFFERENTIATION